

PATENT COOPERATION TREATY

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000479.000  
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From the INTERNATIONAL SEARCHING AUTHORITY

PCT

JUL 08 2002

Fee due  
8/12

To:  
BANNER & WITCOFF, LTD.  
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BANNER & WITCOFF, LTD.

INVITATION TO PAY ADDITIONAL FEES

(PCT Article 17(3)(a) and Rule 40.1)

Applicant's or agent's file reference  
00479.00027

PAYMENT DUE

within 45 ~~XXXX~~ days  
from the above date of mailing

International application No.  
PCT/US 01/ 13261

International filing date  
(day/month/year)

25/04/2001

Applicant

SCIENCE APPLICATIONS INTERNATIONAL CORPORATION

1. This International Searching Authority

- (i) considers that there are 3 (number of) inventions claimed in the international application covered by the claims indicated ~~XXXX~~ on the extra sheet:

and it considers that the international application does not comply with the requirements of unity of invention (Rules 13.1, 13.2 and 13.3) for the reasons indicated ~~XXXX~~ on the extra sheet:

- (ii) ☒ has carried out a partial international search (see Annex) ☐ will establish the international search report on those parts of the international application which relate to the invention first mentioned in claims Nos.:

1-4, 8-14, 16-19, 23-29, 53-59, 63-70, 74-81, 85-92, 96-102, 106-112

- (iii) will establish the international search report on the other parts of the international application only if, and to the extent to which, additional fees are paid

2. The applicant is hereby invited, within the time limit indicated above, to pay the amount indicated below:

EUR 945,00 x 2 = EUR 1.890,00  
Fee per additional invention number of additional inventions total amount of additional fees

Or, \_\_\_\_\_ x \_\_\_\_\_ = \_\_\_\_\_

The applicant is informed that, according to Rule 40.2(c), the payment of any additional fee may be made under protest, i.e., a reasoned statement to the effect that the international application complies with the requirement of unity of invention or that the amount of the required additional fee is excessive.

3. ☐ Claim(s) Nos. \_\_\_\_\_ have been found to be unsearchable under Article 17(2)(b) because of defects under Article 17(2)(a) and therefore have not been included with any invention.

Name and mailing address of the International Searching Authority



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Authorized officer

Claude Berthon

1. The present communication is an Annex to the invitation to pay additional fees (Form PCT/ISA/206). It shows the results of the international search established on the parts of the international application which relate to the invention first mentioned in claims Nos.:  
1-4, 8-14, 16-19, 23-29, 53-59, 63-70, 74-81, 85-92, 96-102, 106-112, 116
2. This communication is not the international search report which will be established according to Article 18 and Rule 43.
3. If the applicant does not pay any additional search fees, the information appearing in this communication will be considered as the result of the international search and will be included as such in the international search report.
4. If the applicant pays additional fees, the international search report will contain both the information appearing in this communication and the results of the international search on other parts of the international application for which such fees will have been paid.

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 838 930 A (DIGITAL EQUIPMENT CORP) 29 April 1998 (1998-04-29)	1,8,16, 23,53, 54, 56-58, 63-65, 67-69, 74-76, 78-80, 85-87, 89-91, 96-98, 100,101, 106-108, 110,111, 116
Y	abstract   column 3, line 30 -column 4, line 14 column 16, line 12 -column 17, line 14 column 22, line 56 -column 23, line 20 figures 3,4,9,11-13,21,22  ----- -/--	2,4, 9-14,17, 18, 24-29, 55,59, 66,70, 77,81, 88,92, 99,102, 109,112

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

\* Special categories of cited documents :

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*G\* document member of the same patent family

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	GB 2 317 792 A (SECURE COMPUTING CORP) 1 April 1998 (1998-04-01)  abstract page 2, line 3 - line 25 page 3, line 1 - line 10 page 8, line 18 - line 24 page 10, line 20 -page 12, line 2 page 12, line 26 - line 31 page 13, line 16 - line 29 figures 1-4 ---	1,4,8, 14,16, 18,23, 29, 53-58, 63-69, 74-80, 85-91, 96-101, 106-111, 116
Y	EP 0 814 589 A (AT & T CORP) 29 December 1997 (1997-12-29) page 1, line 45 -page 2, line 2 page 5, line 8 - line 14 ---	2,17
X	US 5 588 060 A (AZIZ ASHAR) 24 December 1996 (1996-12-24) abstract ---	1,3,16, 19
Y	column 4, line 38 - line 46 column 6, line 50 - line 67 figure 2 ---	59,70, 81,92, 102,112
Y	US 5 689 566 A (NGUYEN MINH TAM C) 18 November 1997 (1997-11-18)  abstract column 9, line 10 -column 10, line 4 ---	4,9,10, 14,18, 24,25, 29,55, 66,77, 88,99, 109
Y	WO 98 27783 A (NORTHERN TELECOM LTD ;HOLMES KIM (US); HUI MARGARET (US); TELLO AN) 25 June 1998 (1998-06-25) abstract figure 3 --- -/--	11,26

**C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	<p>LAURIE WELLS (LANCASTERB1B@EMAIL.MSN.COM):  "Subject: Security Icon "  USENET NEWSGROUP, 'Online!  19 October 1998 (1998-10-19), XP002200606  microsoft.public.inetexplorer.ie4.security  Retrieved from the Internet:  &lt;URL:http://groups.google.com/&gt;  'retrieved on 2002-05-30!  the whole document</p> <p align="center">---</p>	<p>12,13,  27,28</p>
A	<p>STALLINGS W: "CRYPTOGRAPHY AND NETWORK  SECURITY, PRINCIPLES AND PRACTICE, 2ND  EDITION"  CRYPTOGRAPHY AND NETWORK SECURITY, XX, XX,  8 June 1998 (1998-06-08), pages 399-440,  XP002167283</p> <p>13.4 Encapsulating security payload  13.5 Combining security associations</p> <p align="center">---</p>	<p>53-59,  63-70,  74-81,  85-92,  96-102,  106-112,  116</p>
L	<p>WILLIAM STALLINGS (WS@SHORE.NET):  "Subject: new cryptography and network  security book "  USENET NEWSGROUP, 'Online!  8 June 1998 (1998-06-08), XP002200607  comp.security.misc  Retrieved from the Internet:  &lt;URL:http://groups.google.com/&gt;  'retrieved on 2002-05-30!  Proof of publication date of XP002167283</p> <p align="center">-----</p>	

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. Claims: 1-4 8-14 16-19 23-29 53-59 63-70 74-81 85-92  
96-102 106-112 116

A method and computer readable medium for loading a secure communication software module

2. Claims: 5-7 (as dependent from 1) 20-22 (as dependent from 16) 60-62 (as dependent from 53) 71-73 (as dependent from 64) 82-84 (as dependent from 75) 93-95 (as dependent from 86) 103-105 (as dependent from 97) 113-115 (as dependent from 107)

A method and computer readable medium based on a computer address hopping regime

3. Claims: 15 (as dependent from 1),  
30 (as dependent from 16), 31-52

A method and computer readable medium for sending a query for a secure network address to a secure domain name server

For the following reasoning document EP838930 is taken into account. From this prior art document what is known (see fig. 3) is a system and a method for establishing a secure virtual private network link over a computer network (as defined in claim 1).

With the reference to the prior art document, the first group yields the potential special technical feature of locally storing a secure communication software module when the it is not already locally available (as defined in claim 2), hence solving the object problem manually configuring every computer for performing secure communications.

With the reference to the prior art document, the second group yields the potential special technical feature of establishing a connection based on a computer address hopping regime (as defined in claim 5), hence solving the object problem of providing security against eavesdropping on communications over the Internet.

With the reference to the prior art document, the third group yields the potential special technical feature of sending a query for a secure network address to a secure domain name server (as defined in claim 31), hence solving the object problem hiding the true IP address of web sites.

Consequently, neither the objective problems underlying the subjects of the three claimed inventions, nor the solutions as defined by the special technical features described allow for the link of a common inventive concept to be established between said inventions. In

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International application No.

PCT/US 01/13261

conclusion therefore the three groups of claims are not linked by a single general inventive concept. The application hence does not meet the requirements of unity of invention as defined in Rule 13 (1) and (2) of the PCT.

# Patent Family Annex

Information on patent family members

International Application No

PCT/US 01/13261

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 0838930	A	29-04-1998	US 6101543 A EP 0838930 A2 JP 10178450 A	08-08-2000 29-04-1998 30-06-1998
GB 2317792	A	01-04-1998	US 5983350 A US 5950195 A DE 19741239 A1 DE 19741246 A1 GB 2317539 A ,B	09-11-1999 07-09-1999 07-05-1998 19-03-1998 25-03-1998
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US 5588060	A	24-12-1996	EP 0693836 A1 JP 8008895 A US 5668877 A US 5633933 A US 6091820 A US 6026167 A	24-01-1996 12-01-1996 16-09-1997 27-05-1997 18-07-2000 15-02-2000
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WO 9827783	A	25-06-1998	US 6032118 A AU 727878 B2 AU 5131198 A DE 19782193 D2 EP 1008275 A1 GB 2336511 A ,B WO 9827783 A1 SE 9902261 A	29-02-2000 04-01-2001 15-07-1998 25-11-1999 14-06-2000 20-10-1999 25-06-1998 16-06-1999